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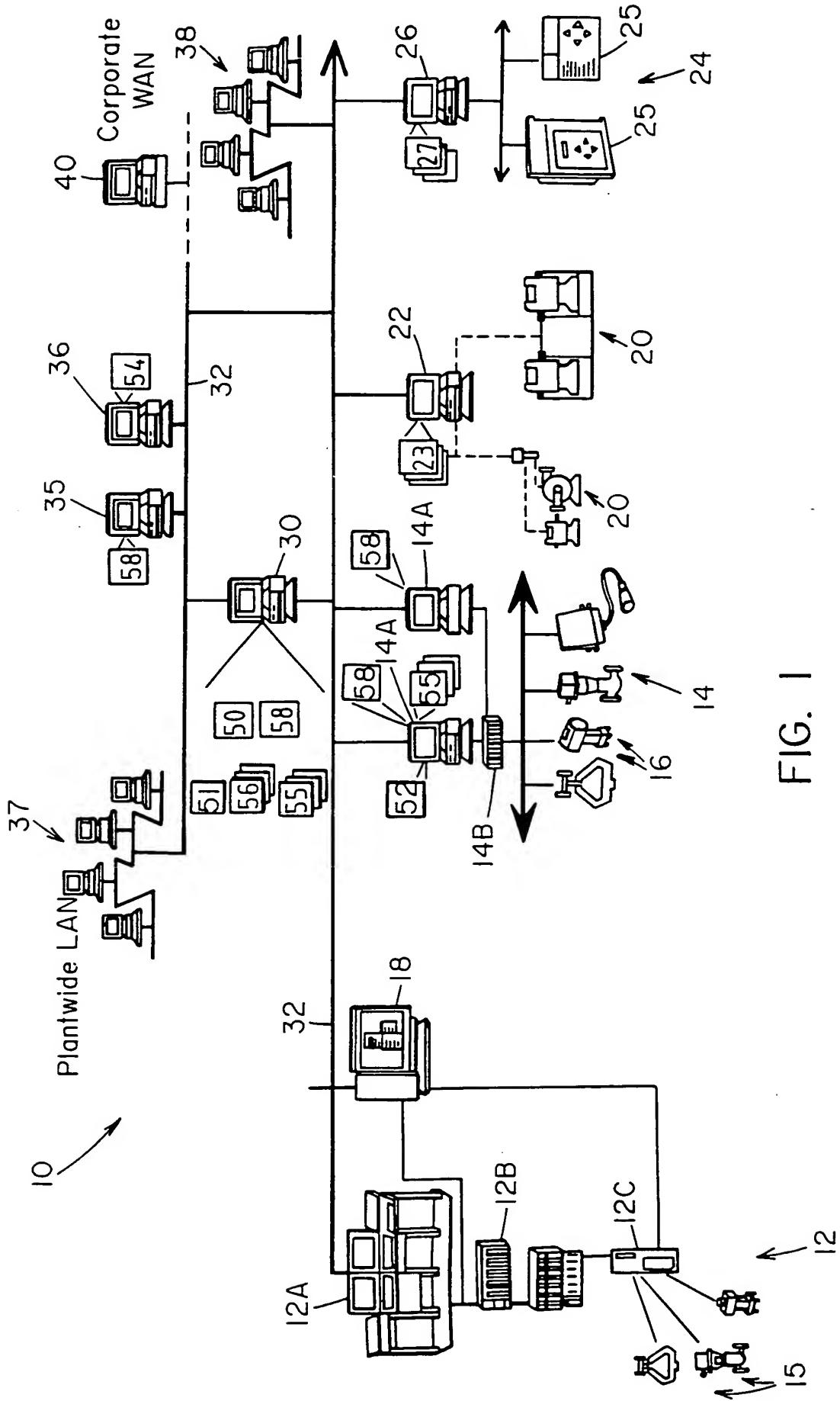
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FIG.

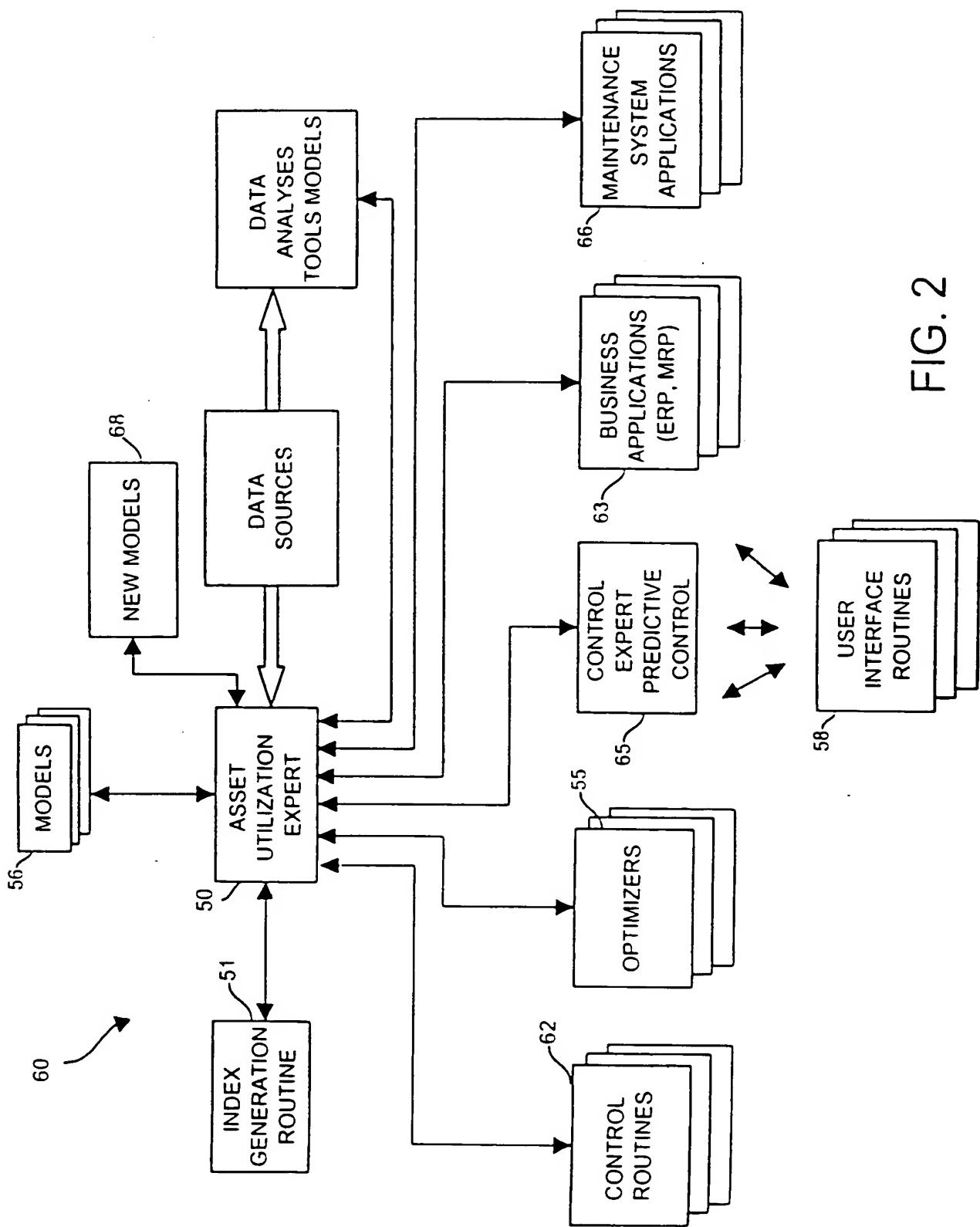


FIG. 2

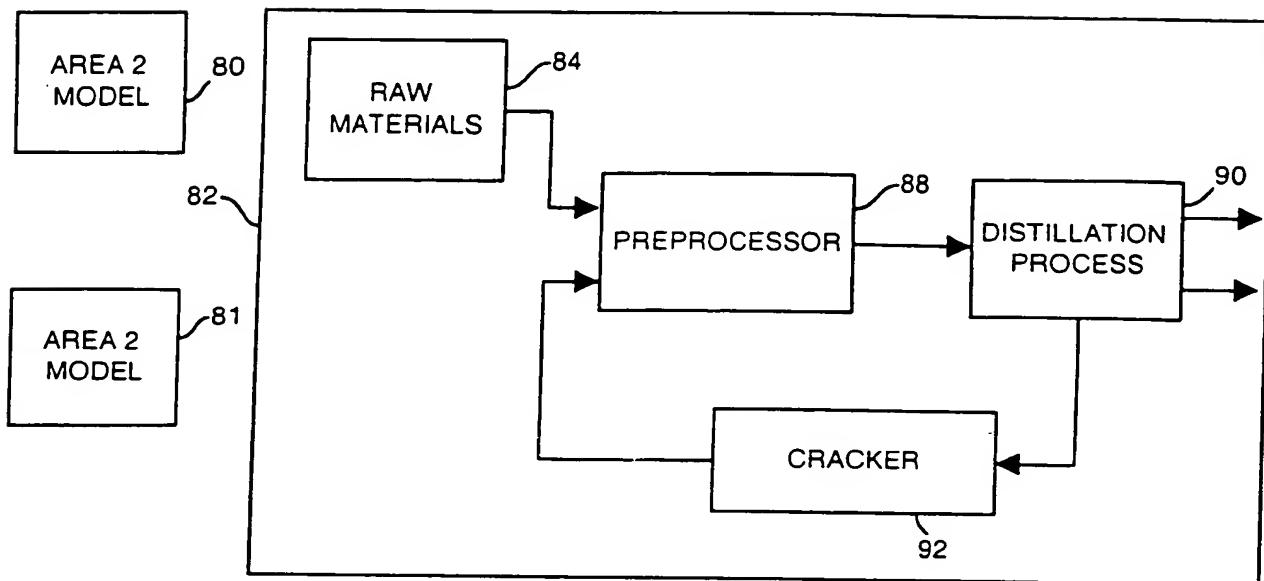


FIG. 3

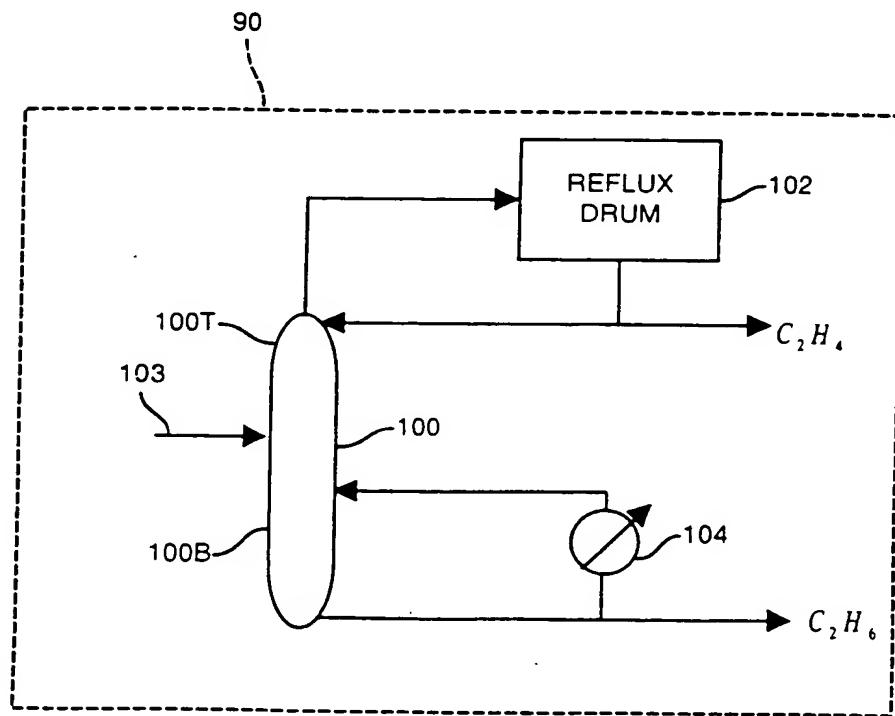


FIG. 4

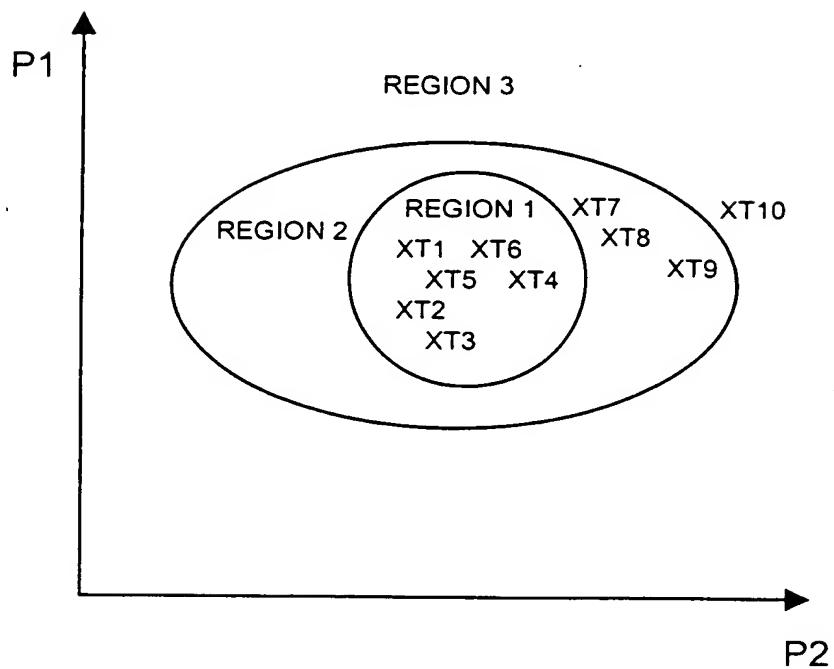


FIG. 5

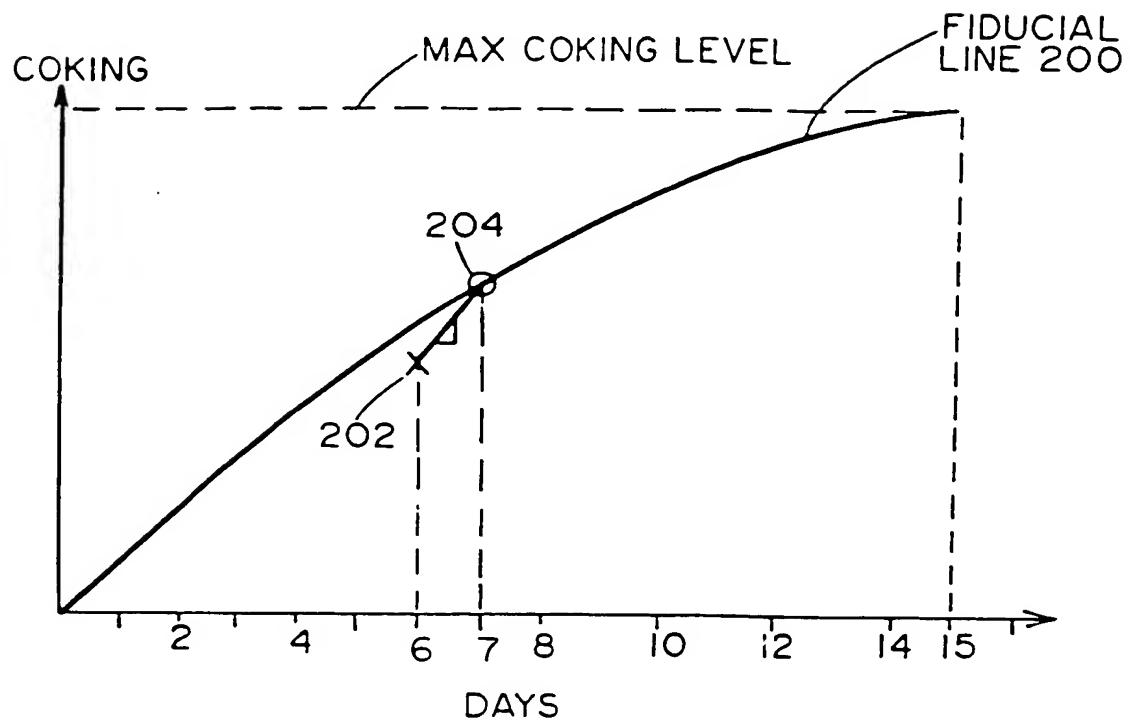


FIG. 6

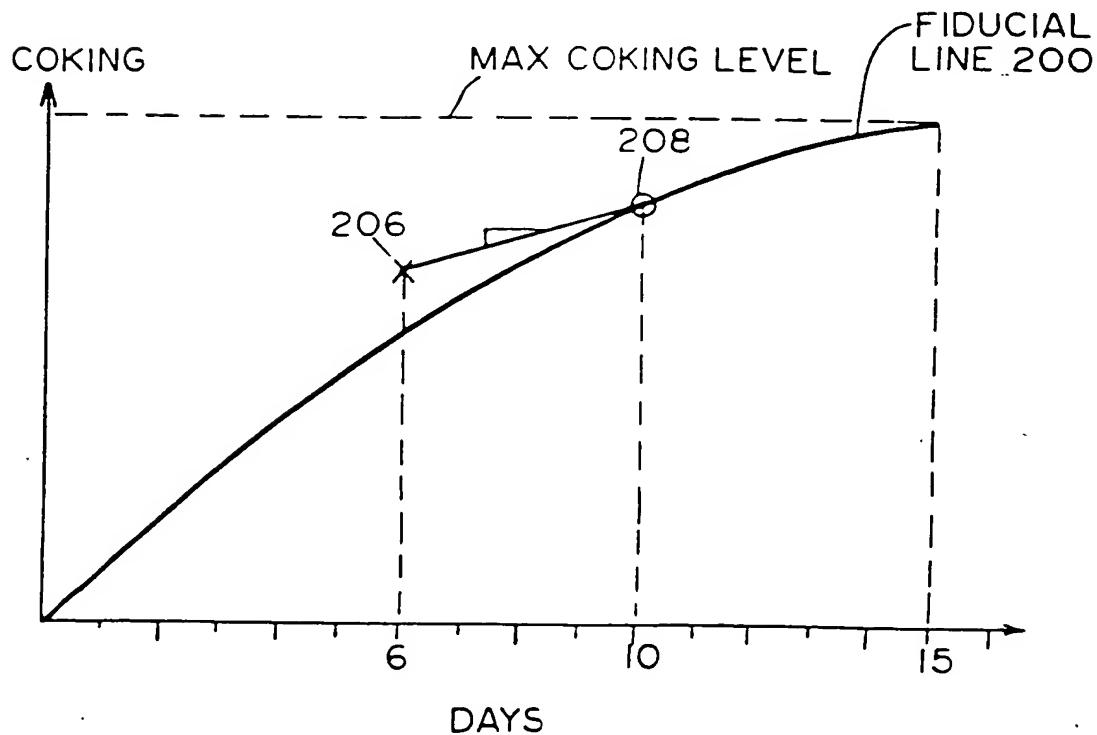
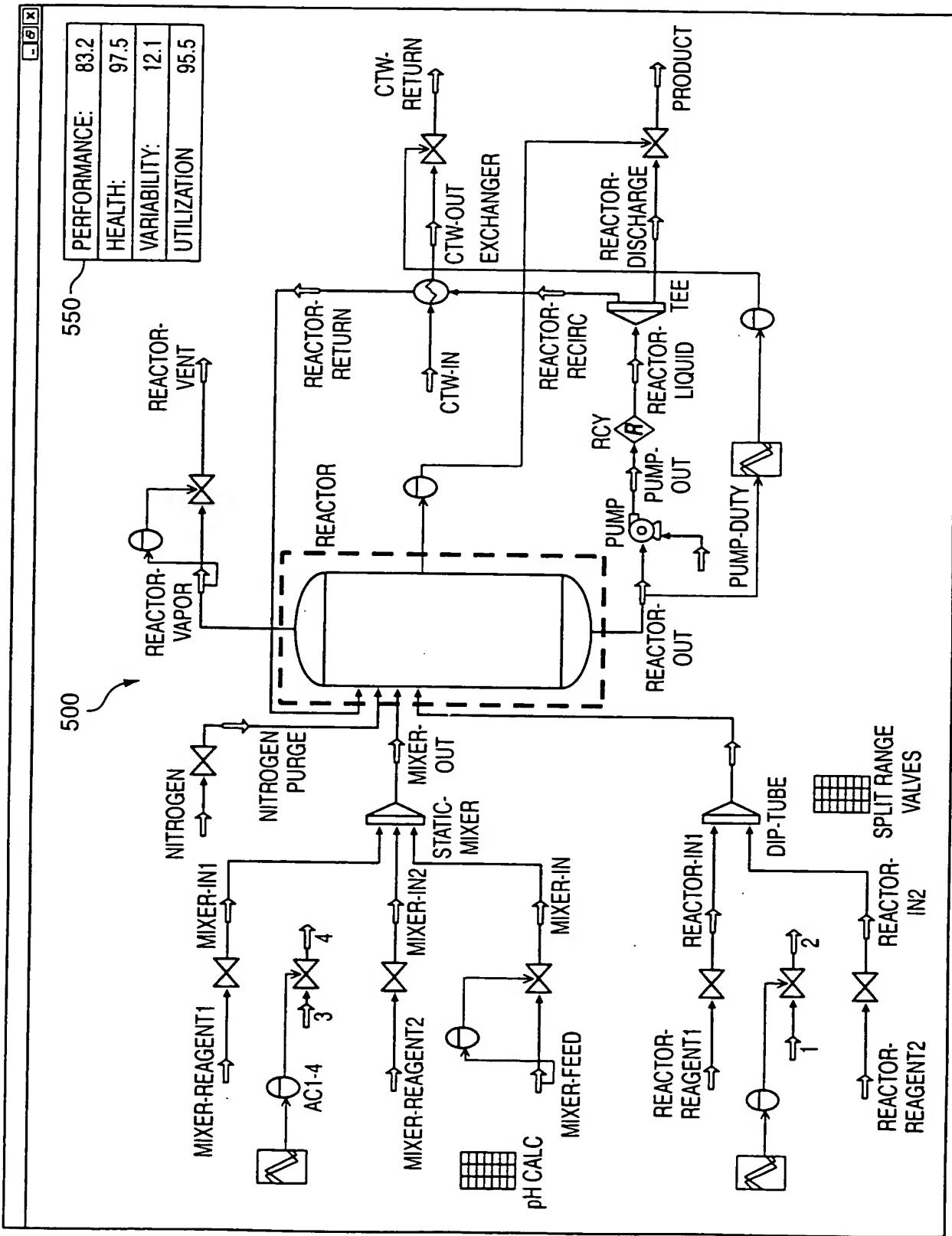


FIG. 7

FIG. 8



	PI	VI	HI	UI
Unit	x		x	x
Sub Unit	x		x	x
Loop		x	x	x
Device		x	x	

FIG. 9

PERFORMANCE FOR FCCU: 83.2

Loop Name	Index	Weight
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TCI-222	87	1
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TIC-222	87	1
PIC-111	87	1

FIG. 10

FCCU Health: 97.5

Device Name	Index	Description	Weight
FV-111	100	Leaking	3
TI-111	98	Sticktion	3
<u>LI-111</u>	90	40	3
MC-101	95	Will burn up in 2 weeks	3
FV-111	96	0	1

FIG. 11

FCCU Variability: 12.1

Device Name	Index	Weight
FV-101	0	3
TI-111	2	3
LI-111	40	3
FV-111	0	3
FV-112	0	1
TI-222	2	1
FI-101	7	3
TI-111	6	3
LI-111	7	3
FI-111	7	3
FI-112	7	1
TI-222	7	1
Sub unit: Reboiler RB101	15	2

FIG. 12

FIG. 13

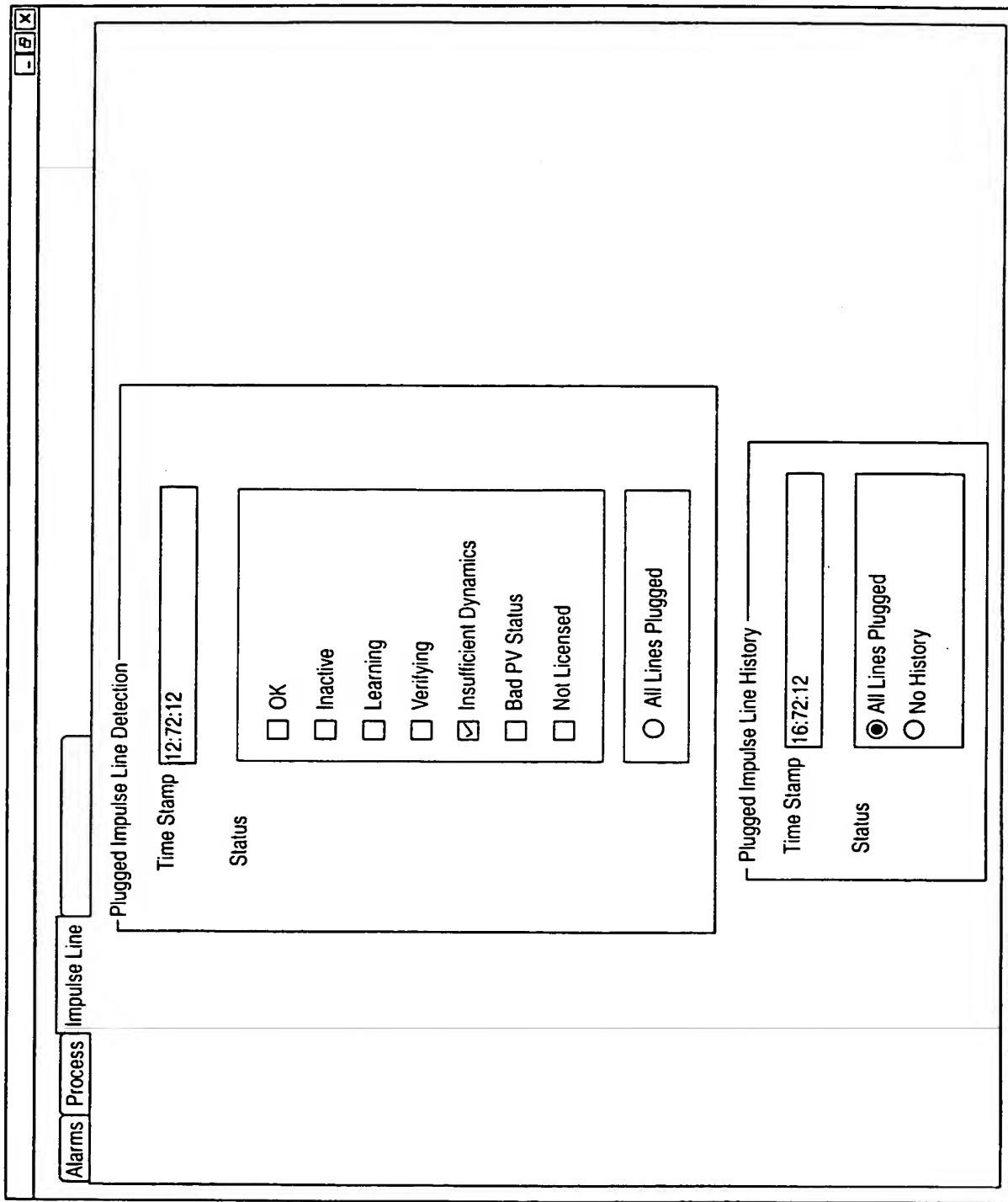
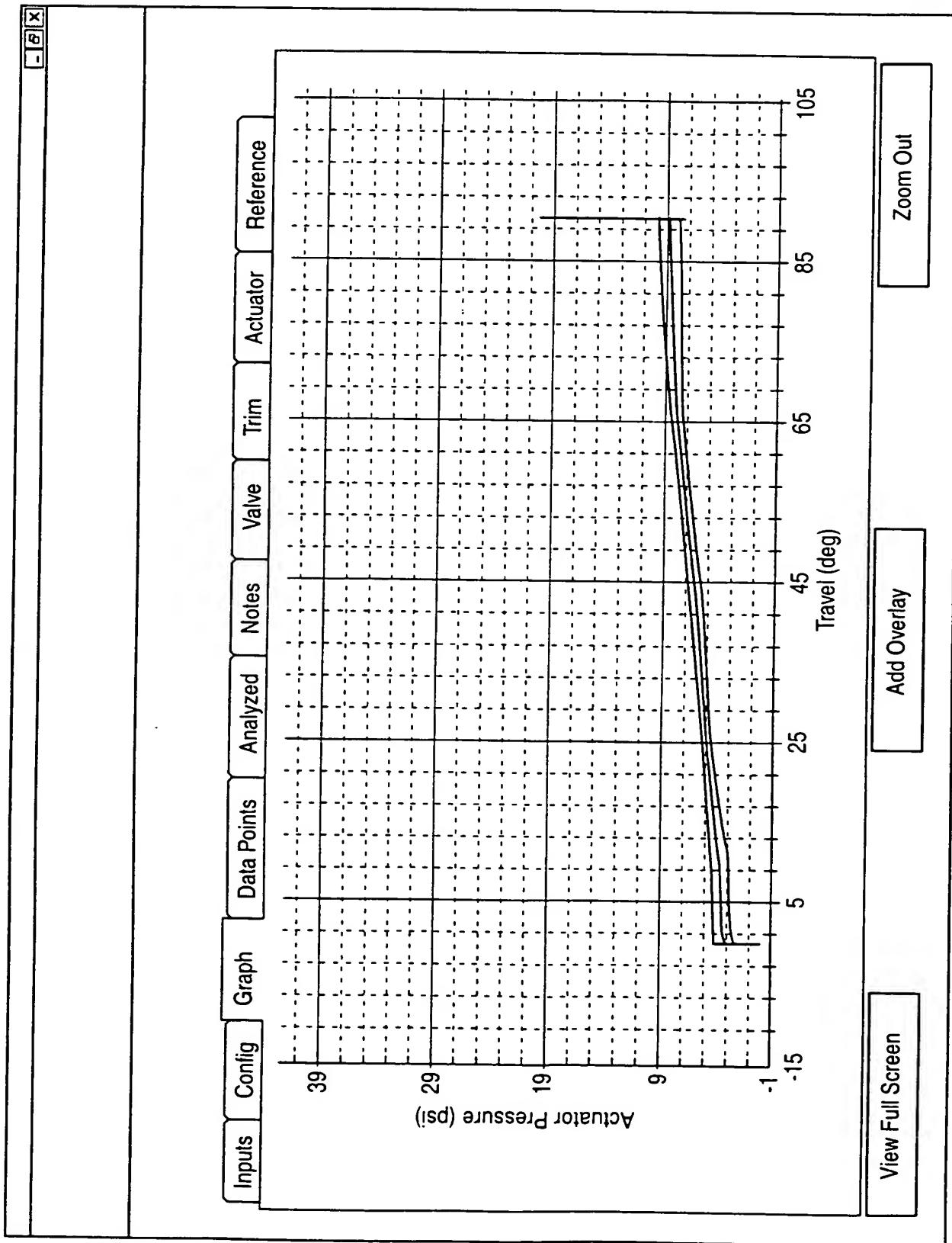


FIG. 14



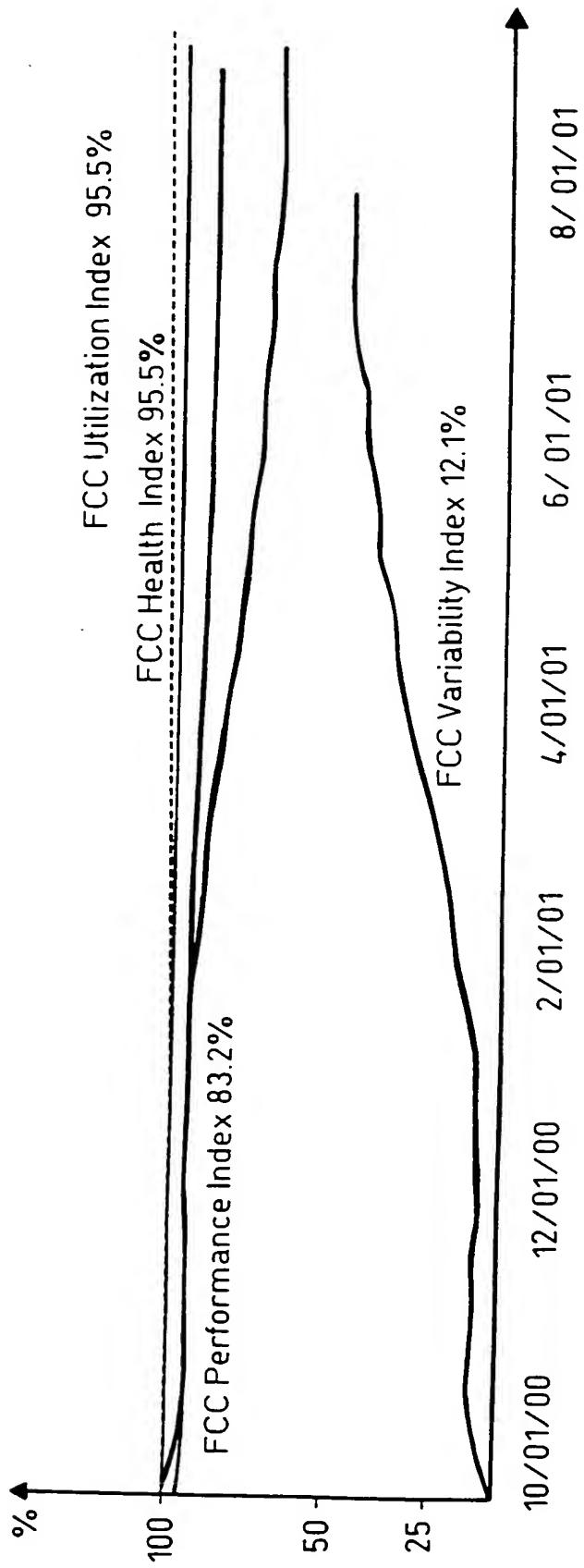


FIG. 15

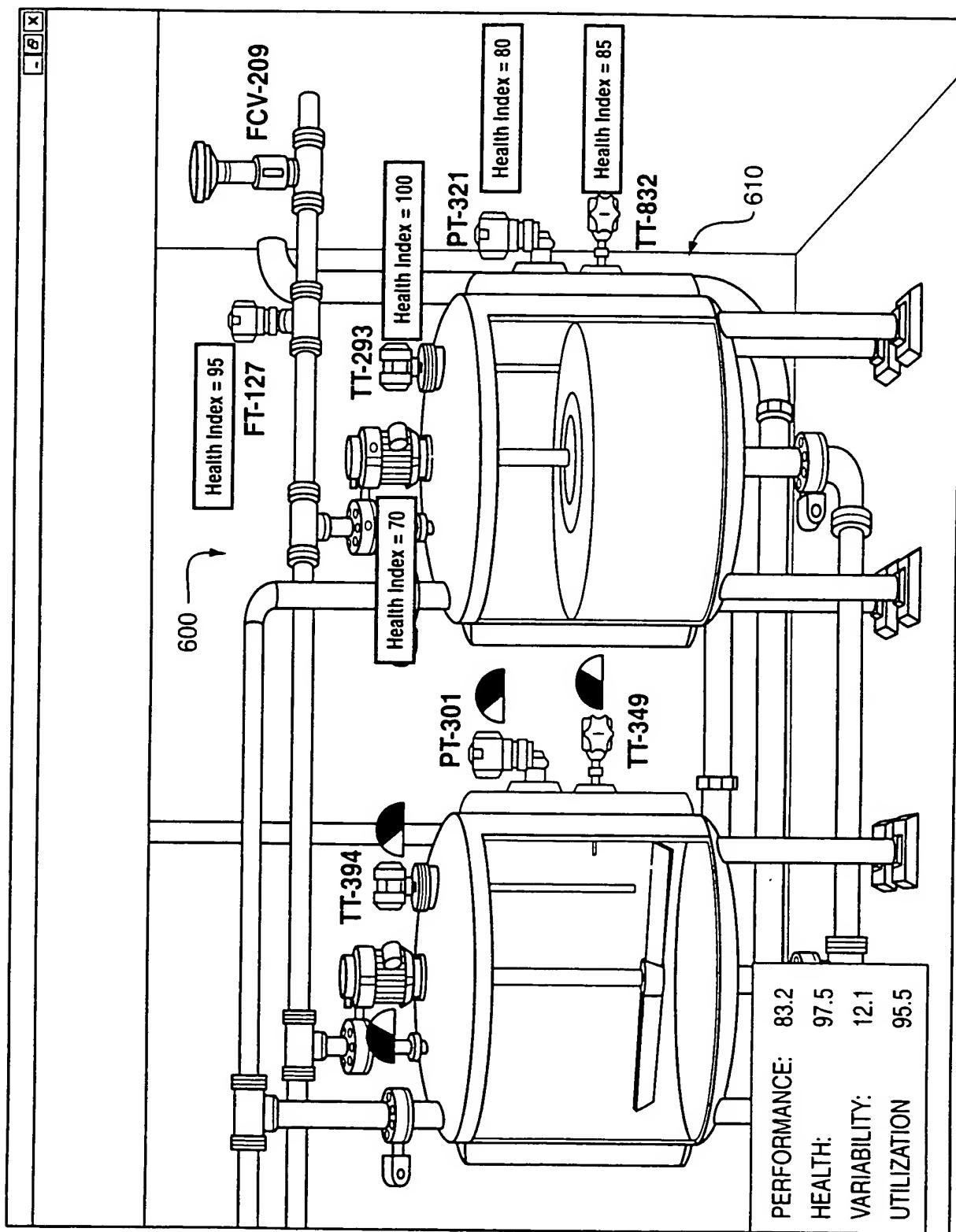
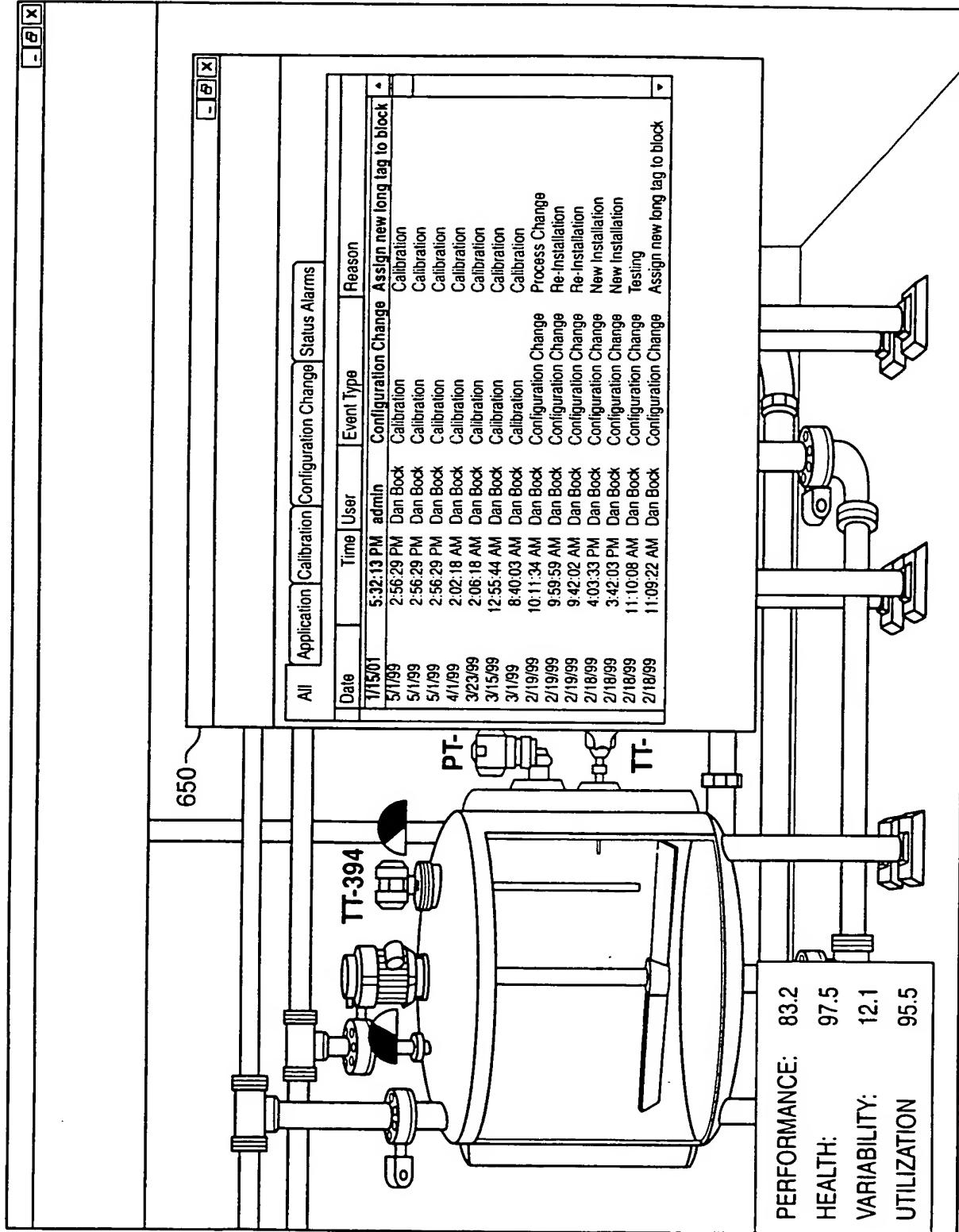


FIG. 16



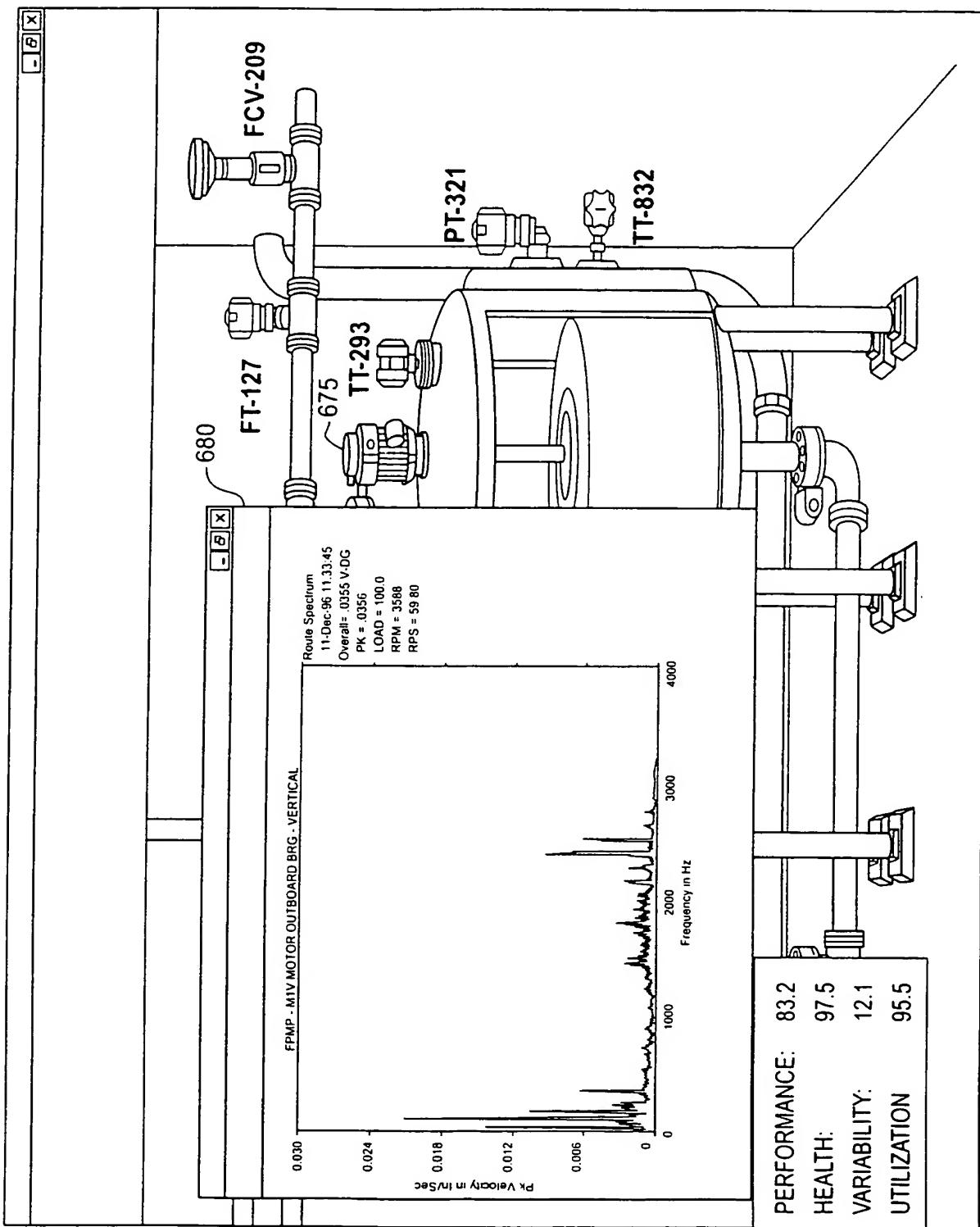


FIG. 18

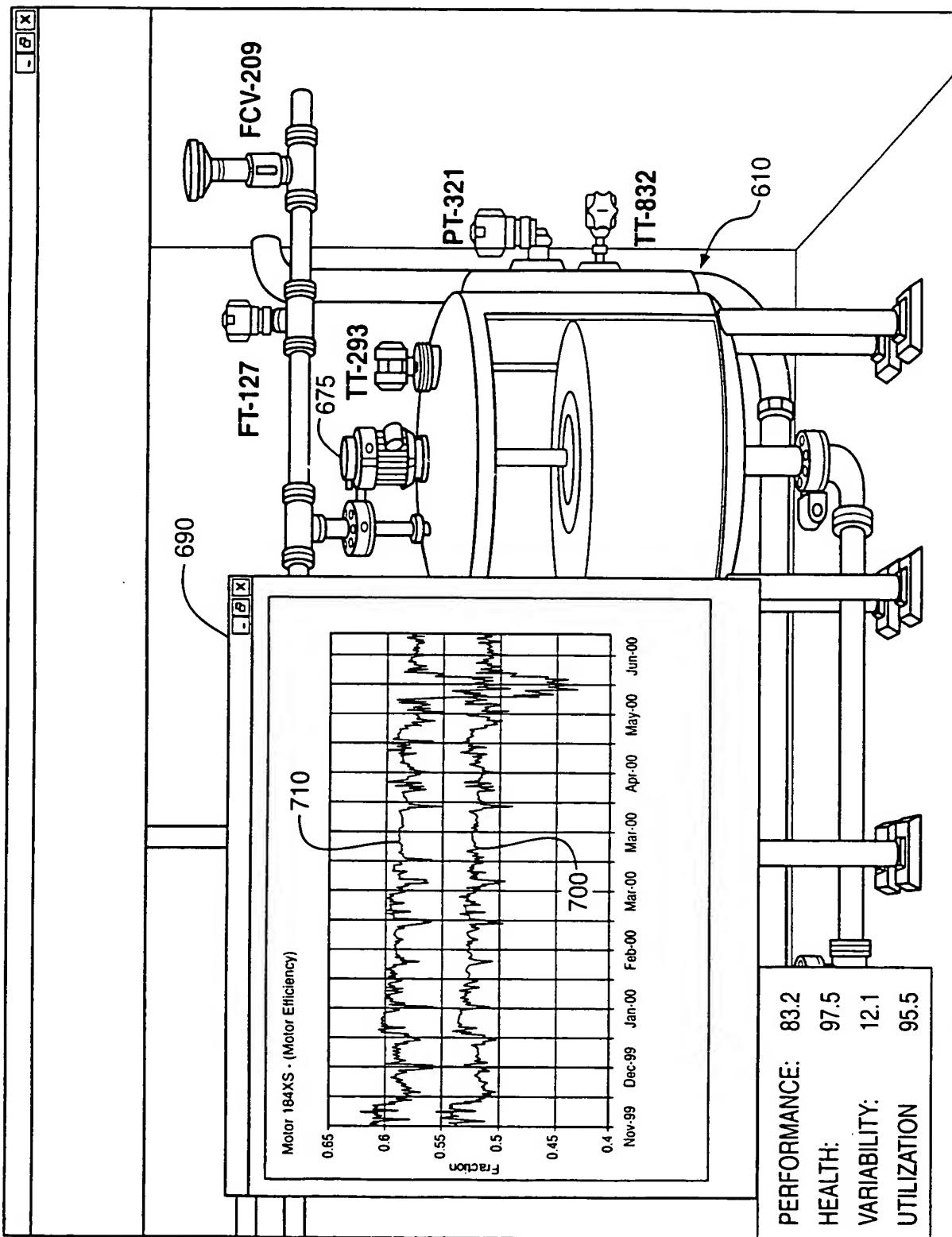


FIG. 19

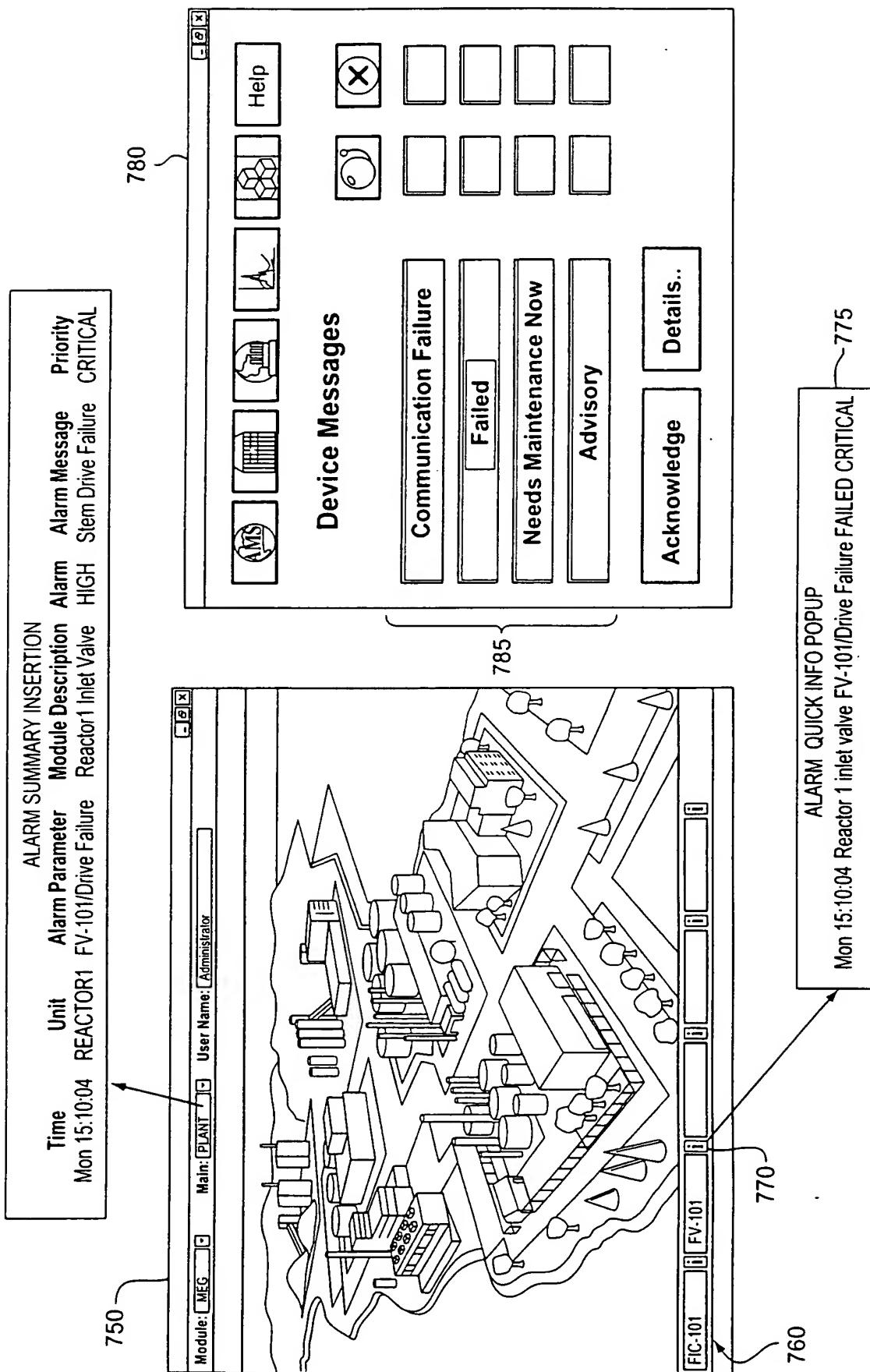


FIG. 20

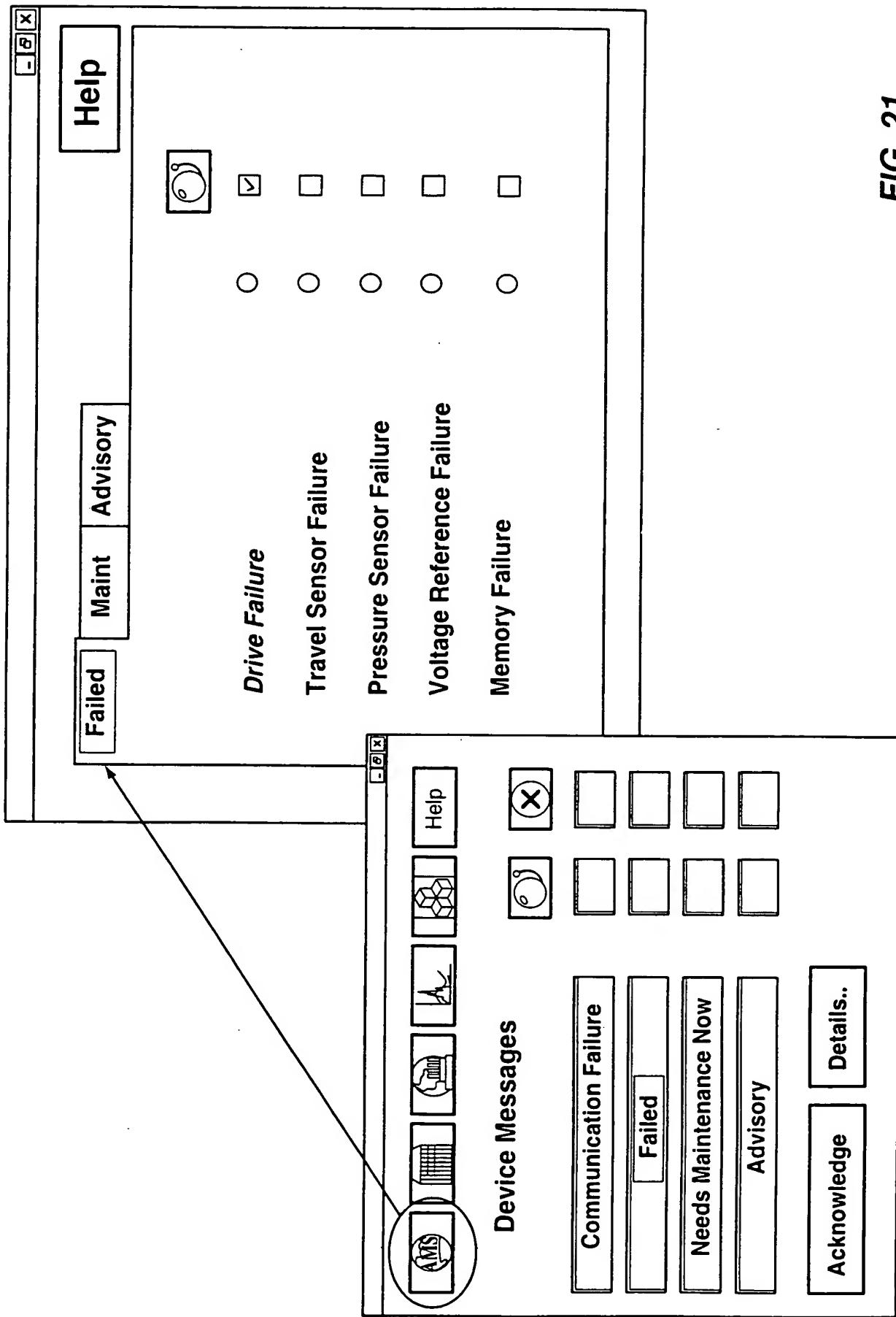


FIG. 21

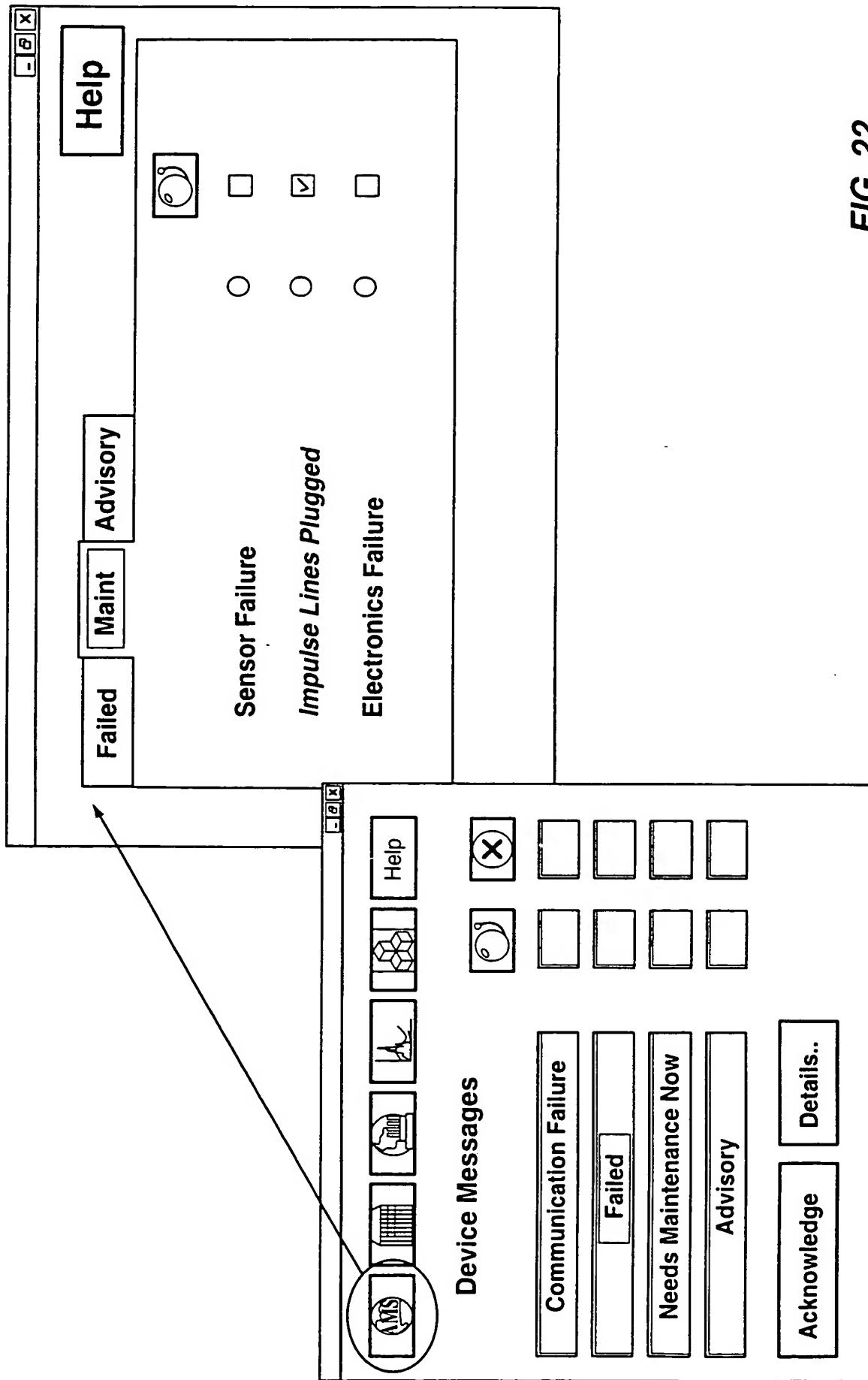


FIG. 22

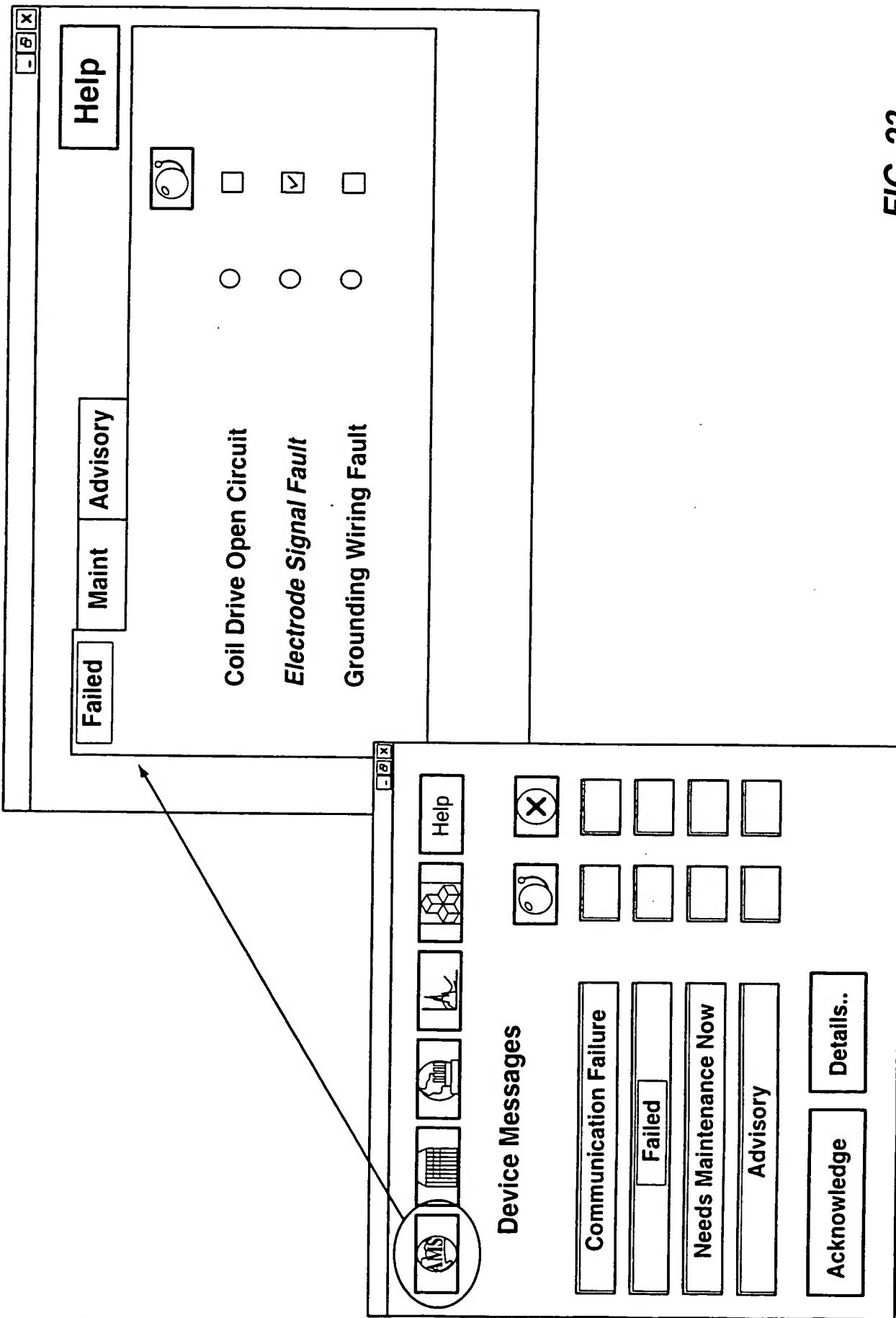


FIG. 23

FIG. 24

Electrode Signal Fault Detected

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.

WARNING! The electrode compartment may contain line pressure. Reomoving the cover before depressurizing may result in death or serious injury.

2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.
 3. Verify flowtube is electrically connected to the process with grounding electrode, grounding rings with grounding straps, or lining protector with grounding straps.
 4. Verify transmitter electronics with Model 8714 reference standard. The dial on the 8714 should be set at 9.1 m/s (30 ft/sec). The transmitter should be set up with the nominal flowtube calibration number (1000015010000000) and 5 Hz coil drive frequency.
 5. Properly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.
- To turn off electrode signal fault detection, go to the diagnostic screen in the transducer block properties.

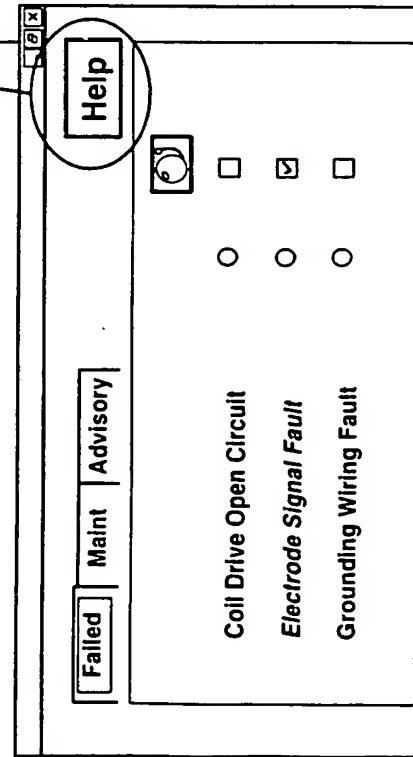
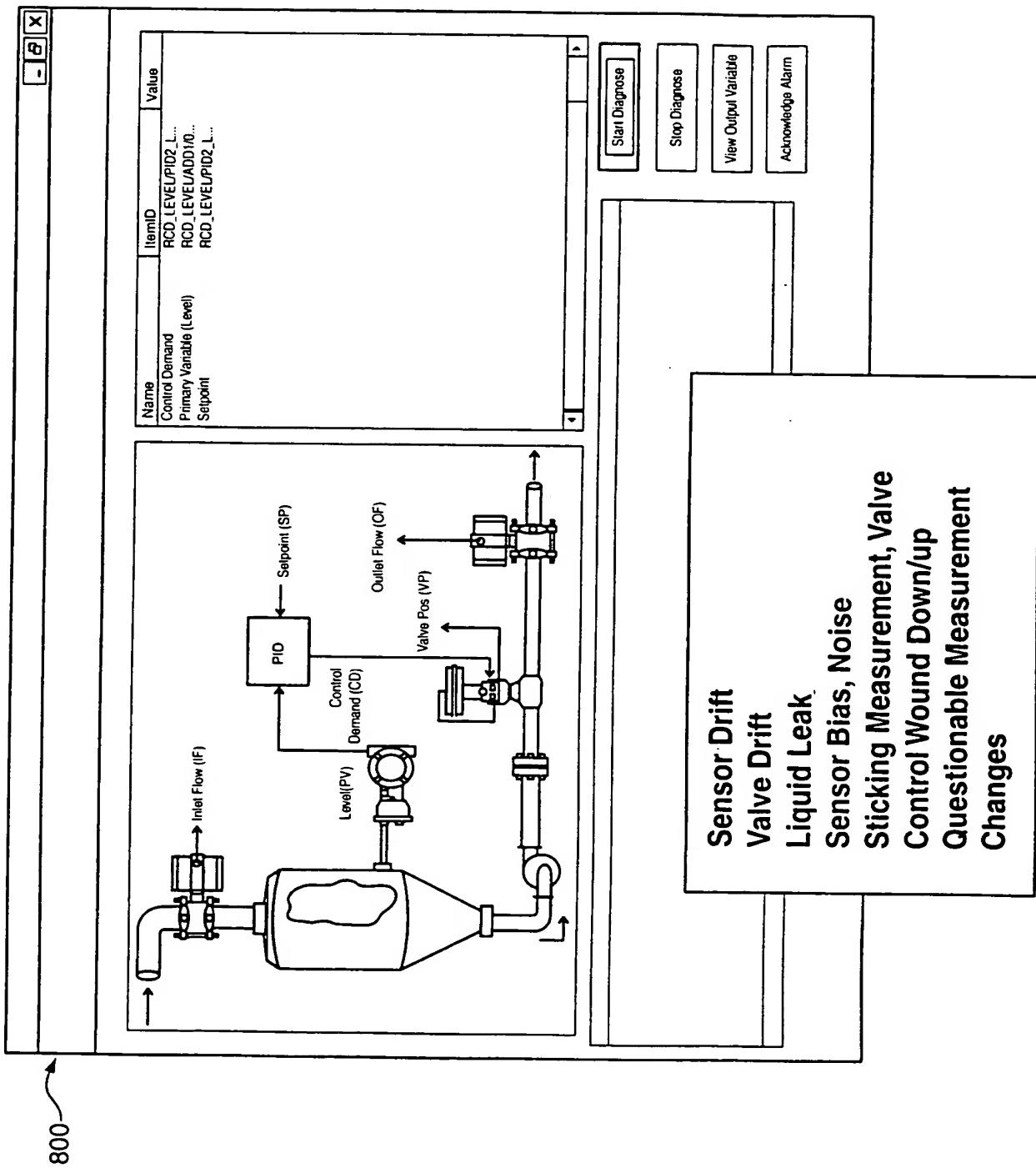


FIG. 25



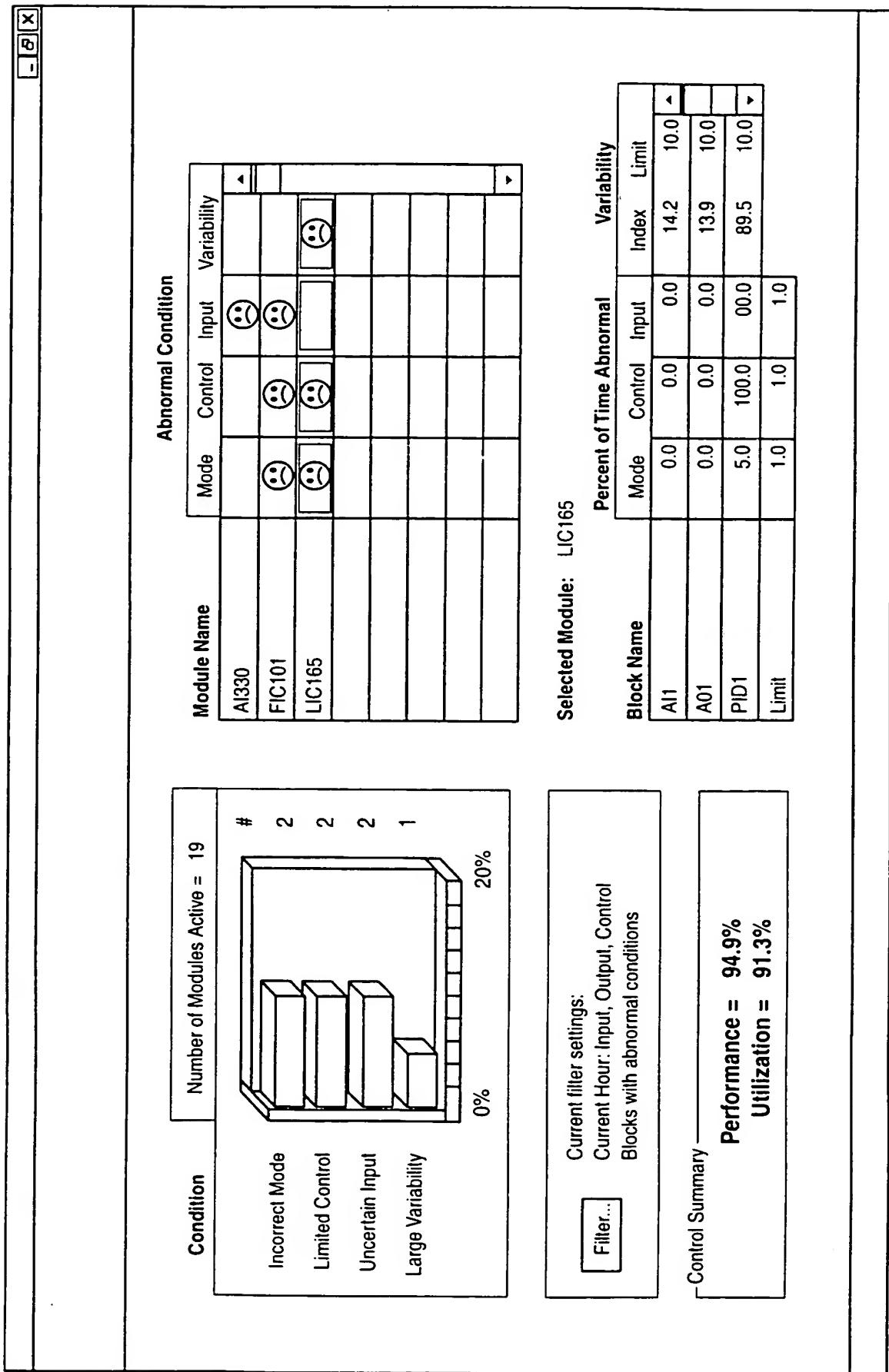
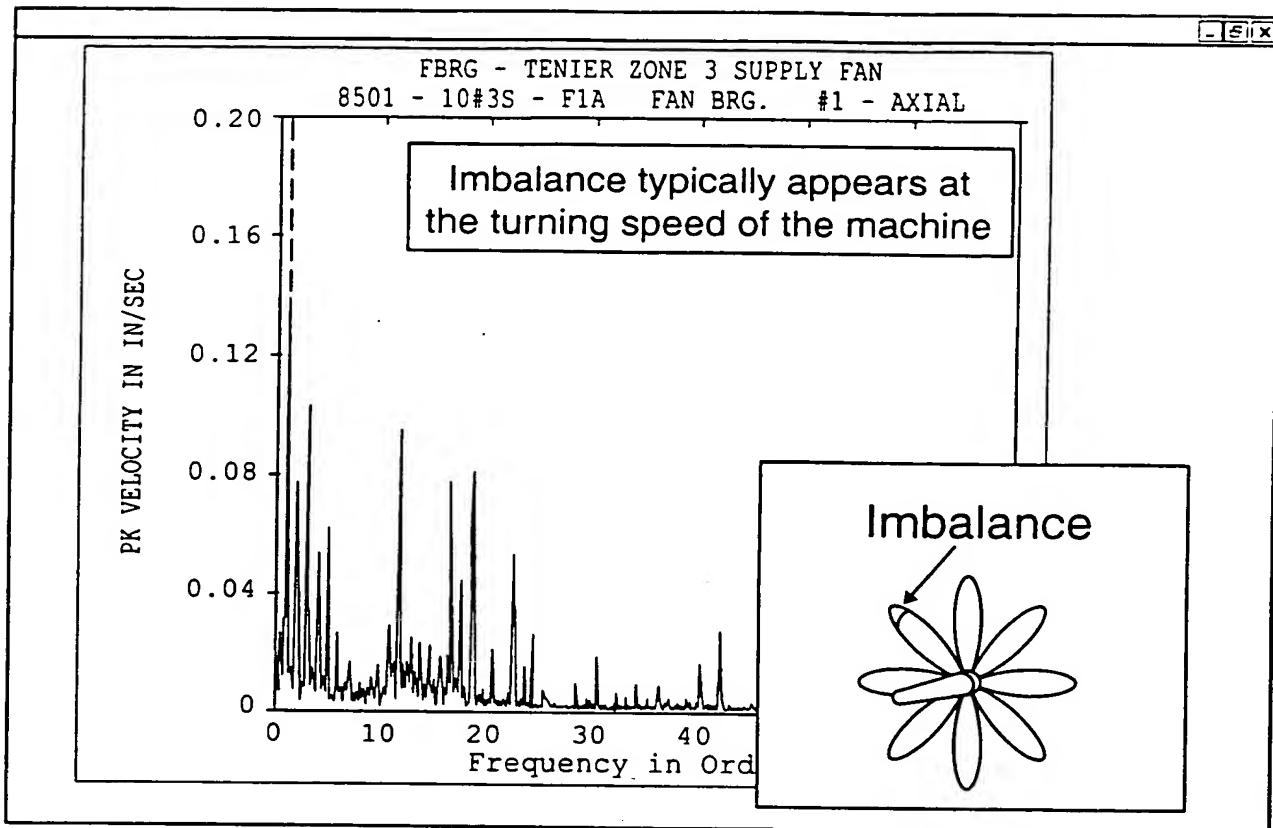
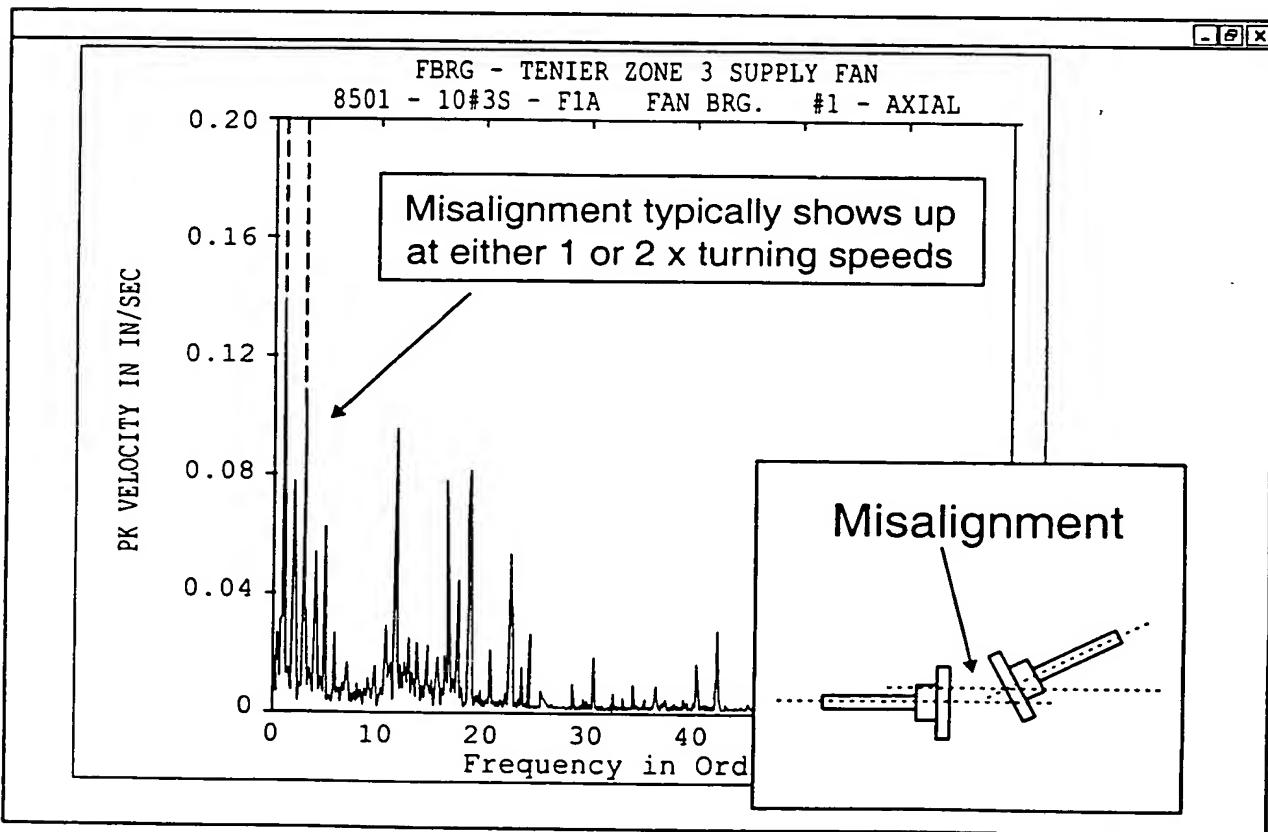


FIG. 26

	Work Order	Plans	Actuals	Costs	WO Hierarchy	Safety Plan	Failure Reporting	Linked Documents
Modules		SENSOR MEASUREMENT						
Work Orders	Work Order	1194					WO Priority	5
	Location	BDCUBE	✓	AMS Business Development Cubicle			Loc/Eq Priority	
	Equipment	TT-111	✓	Rosemont 3044C in BD Cube			Equipment Up?	Y
PMs	Reported By	MAXIMO	✓	Reported By	8/18/00 1 ✓	Work Phone	Warranty Date	
Inventory	Status	WSCH	✓	Status Date	8/18/00 1 ✓	Charge to Store?	Work Type	EM
Equipment	GL Account		✓	Job Details	Problem	Follow-up Work	Follow-up Work	
Purchasing	Job Plan		✓				Originating WO	
Plans	Safety Plan		✓				Has Follow-up Work?	N
Labor	PM	AMS10130	✓					
Calendars	Service Contract		✓					
Resources								
Custom Apps								
Scheduling Information							Responsibility	
Setup	Start						Supervisor	
Utilities	Target	8/18/00 11:42AM	✓				Labor Group	
	Scheduled		✓				Lead Craft/Person	
	Actual		✓				Modified	
	Estimated Duration	0.00					Crew	
	Remaining Duration						Interruptible?	<input type="checkbox"/>
							By	Maximo
							Date	8/18/00 1 ✓

FIG. 27

**FIG. 28****FIG. 29**

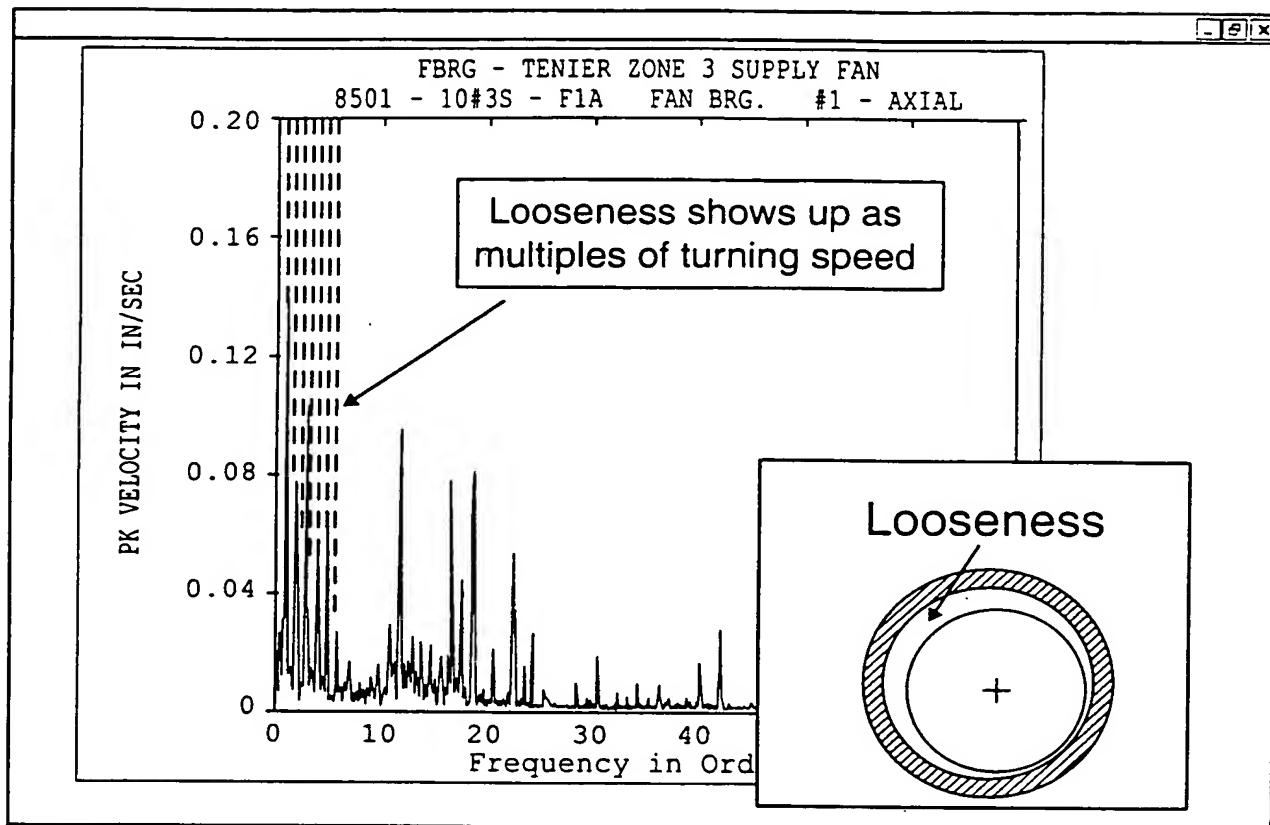


FIG. 30

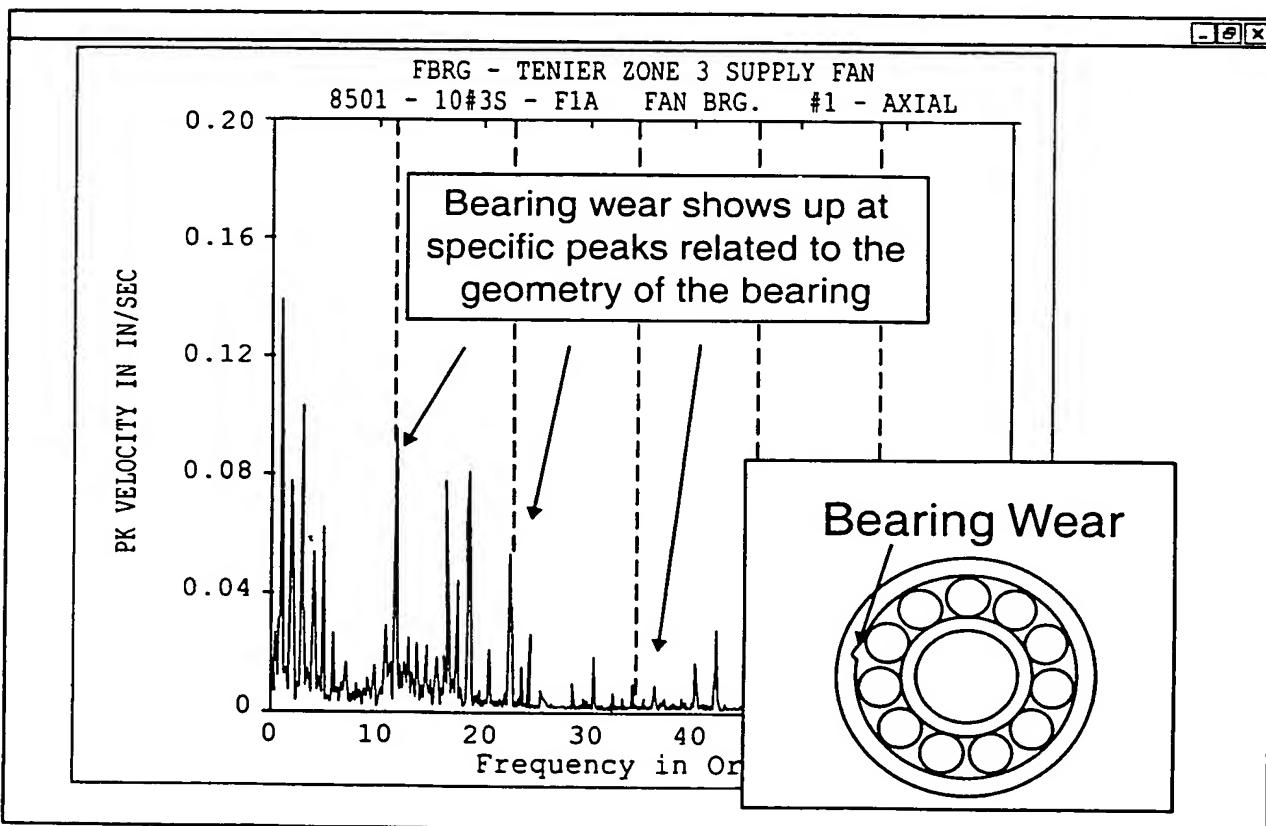


FIG. 31

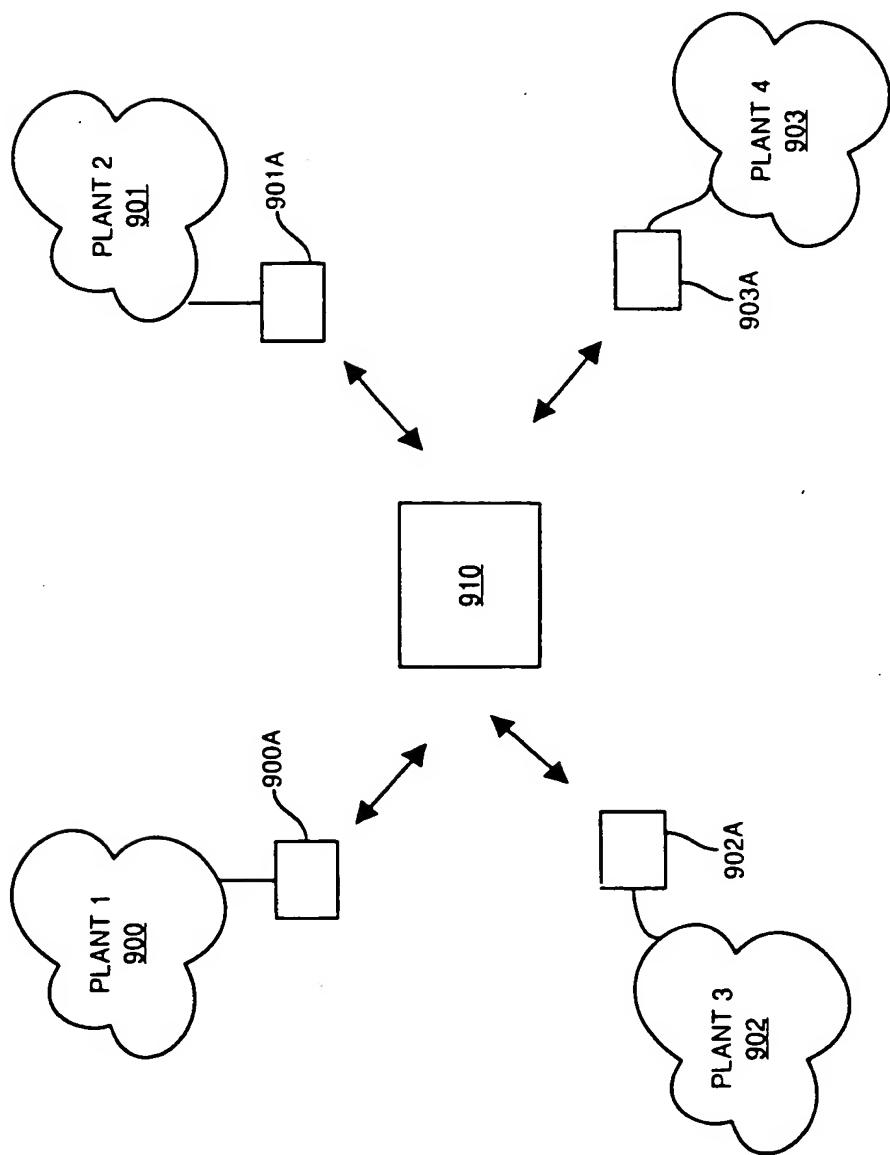


FIG. 32

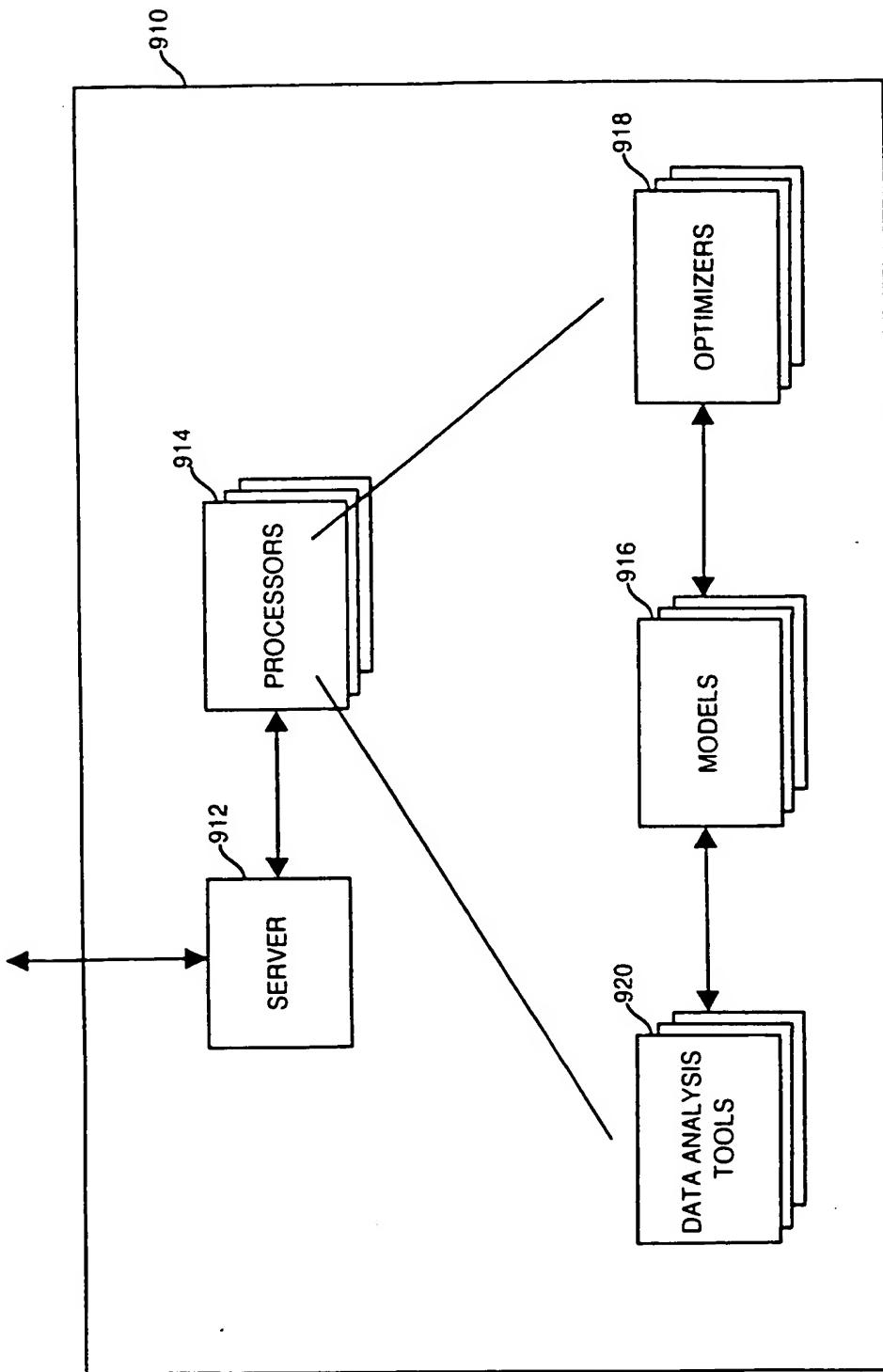


FIG. 33